

AMBIENT PRESSURE COMPENSATED TACTILE SENSOR

ABSTRACT OF THE DISCLOSURE

5 A tactile sensor comprises a sensing bladder in pneumatic communication with a first diaphragm side of a pneumatic diaphragm via a first fluid; the pneumatic diaphragm being actuatable by a displacement of the first fluid within the sensing bladder; the pneumatic diaphragm further comprising a second diaphragm side in fluid isolation from the first diaphragm side; the
10 second diaphragm side being pneumatically biased against the first diaphragm side, and the second diaphragm side and the first diaphragm side of the pneumatic diaphragm each being in pneumatic communication with an external environment.